

TITLE

ORGANIC ELECTRONIC DEVICE HAVING LOW BACKGROUND  
LUMINESCENCE

ABSTRACT OF THE DISCLOSURE

5           An organic electronic device has an improved contrast ratio by  
lowering background luminescence from ambient radiation source(s).  
Background luminescence may be lowered by increasing absorption of  
ambient radiation, by reducing reflection of ambient radiation, or a  
combination of the two. Lower background luminescence can be achieved  
10 by using one or more black layers or lattices that are incorporated within  
the organic electronic device. Also, a large number of materials can be  
used for high absorbance layers. A change in materials for the electronic  
device may not be needed, and therefore, new material compatibility  
issues may not arise. Further, from an electronic performance standpoint,  
15 some layers may not be too sensitive to thickness and a plurality of narrow  
ranges of thicknesses may be used for a layer to allow a layer to have the  
proper electrical and optical properties. The embodiments obviate the  
need for a circular polarizer.